Patent Application of Joseph F. Dechene for "Computer or Input Device with Back Side Keyboard." Continued page 24

Claims: I claim:

- 1. A hand-holdable device comprising:
- a. a plurality of user input keys on back side of said device, and
- b. a set of handles and contours to position the user's hands and fingers in appropriate alignment and placement to a set of home keys of said user input keys,

whereby said handles and contours allow hand holding of said device while leaving the user's thumbs and fingers to be free,

whereby said handles and contours maintain overall position of the user's hands even as the user uses said back side input keys to rapidly input data,

whereby a user can hold said device and rapidly input data.

- 2. The device of claim 1 wherein said back side input keys comprise of a split keyboard on said back side. Whereby the user's left hand fingers accesses one portion of said split keyboard, and the user's right hand fingers access the other portion of said split keyboard,
- 3. The device of claim 1 wherein a plurality of said home keys have tactile markings for rapid identification and position,
- 4. The device of claim 1 wherein said back side input keys are arranged to accommodate the natural motion and reach of the user's fingers from said home keys position,
- 5. The device of claim 1 wherein said back side keys comprise of a split qwerty keyboard, and said home keys consist of characters a, s, d, and f for the left hand and j, k, l, and; for the right hand. Whereby rapid data entry is accomplished by touch typing on said keyboard,

Patent Application of Joseph F. Dechene for "Computer or Input Device with Back Side Keyboard." Continued page 25

- 6. The device of claim 1 wherein said handles and contours maintain overall position of the user's hands relative to said home keys while allowing the hands to slightly rotate to reach individual keys,
- 7. The device of claim 1 wherein said handles and contours maintain overall position of the user's hands relative to said home keys, even when said device is held and used in a vertical orientation,
- 8. The device of claim 1 further including inserts for said handles to accommodate for differences in hand size and user preferences,
- The device of claim 1 further including a set of handle sensors to prevent key strokes unless both hands are in their proper position relative to said handles and contours,
- 10. The device of claim 1 further including a set of front side input keys, said front side input keys may be of less used keys and control keys,
- 11. The device of claim 1 further including a set of physical keys and a display on said front side,
- 12. The device of claim 1 further including an extended display on said front side, a portion of said extended display can act as an arrangement of virtual front input keys as needed,
- 13. The device of claim 1 further including surface features on said front side to provide a sense of position for an arrangement of front input keys, whereby allowing quick user location of said arrangement of front input keys,
- 14. The device of claim 1 further including other computer functions such as cursor control, communication, connectivity, drives, and screen input,

Patent Application of Joseph F. Dechene for "Computer or Input Device with Back Side Keyboard." Continued page 26

- 15. The device of claim 1 wherein said back side keys comprise of a single row of back side keys for each hand and said front side comprise of shifters to select alternative input characters for each key of said back side keys.
- 16. A method of rapidly inputting data, comprising:
- a. providing a device in which a human operator holds in his/her hands,
- b. providing handles and contours on said device to properly position the operator's hands on said device, allowing the operator's fingers to wrap around to the back side of said device
- c. providing input keys on said back side whereby the operator's fingers line up on a home set of keys of said input keys,

whereby said handles and contours maintain the proper position of the operator's hands and fingers as the operator rapidly inputs data.

- 17. A hand-holdable device comprising:
- a. a plurality of user input keys on back side of said device, and
- b. means for aligning a user's hands to a home set of keys on said back side,

whereby a user can hold said device and rapidly input data

18. The device of claim 17 wherein having means for allowing simultaneous holding of said device and rapid data entry.